

(43) Date of A Publication 21.03.2001

(21) Application No 9922070.9

(22) Date of Filing 18.09.1999

(71) Applicant(s)

Kenneth Michael Barr
18 Kilmorie Drive, Rutherglen, GLASGOW, G73 2EJ,
United Kingdom

(72) Inventor(s)

Kenneth Michael Barr

(74) Agent and/or Address for Service

Kenneth Michael Barr
18 Kilmorie Drive, Rutherglen, GLASGOW, G73 2EJ,
United Kingdom

(51) INT CL⁷

A61F 13/84

(52) UK CL (Edition S)

A5R RPG

(56) Documents Cited

GB 2326343 A GB 2271720 A US 5582605 A
US 4931052 A US 4743240 A

(58) Field of Search

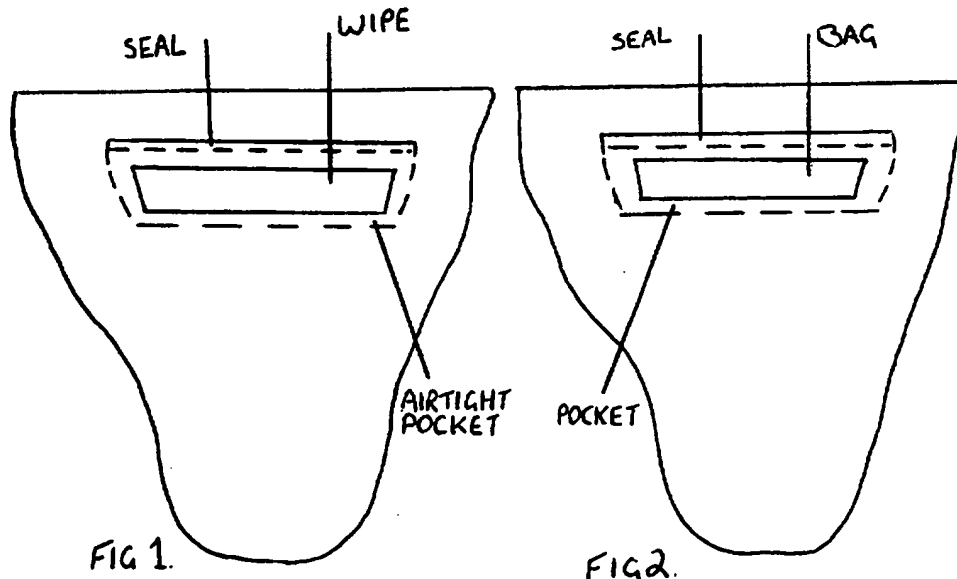
UK CL (Edition R) A5R RPG
INT CL⁷ A61F 13/84
ONLINE:WPI,EPODOC

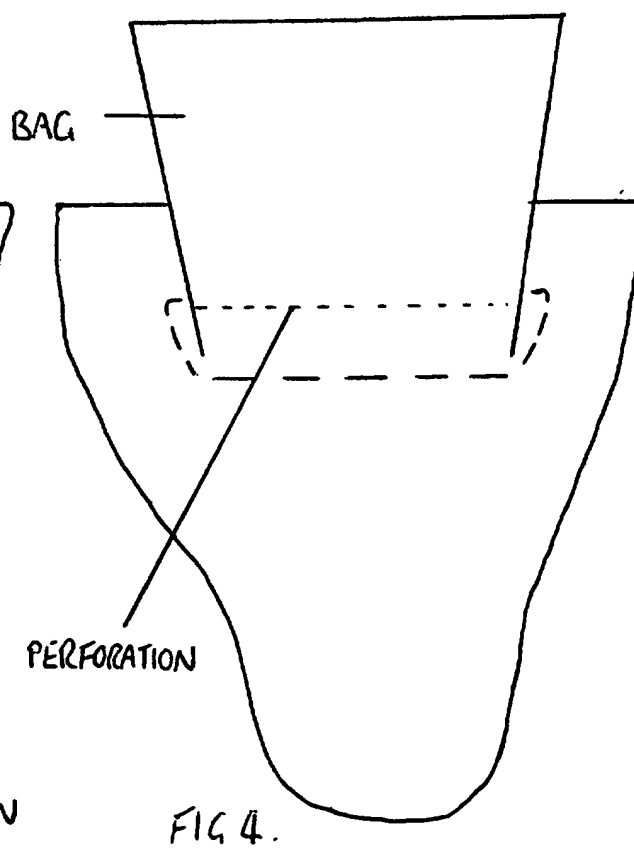
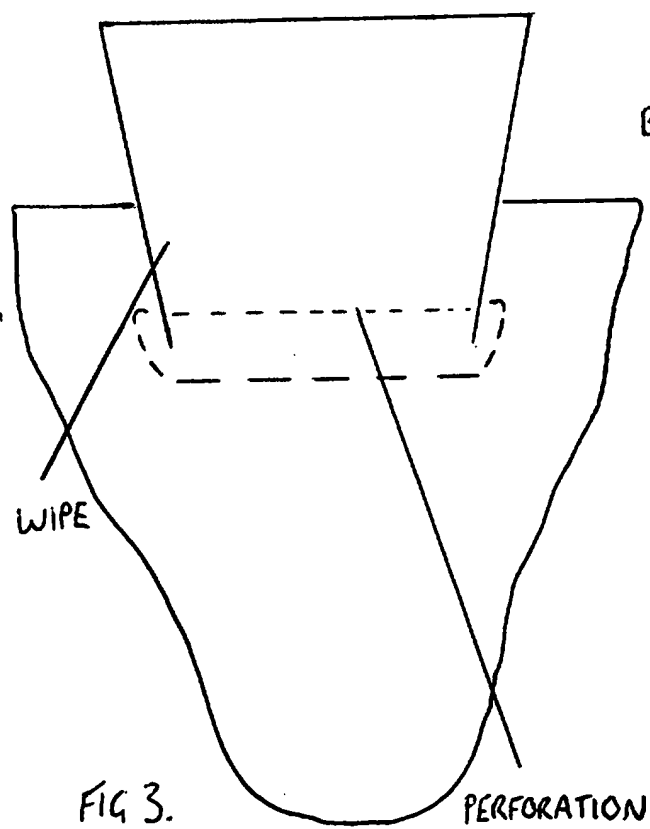
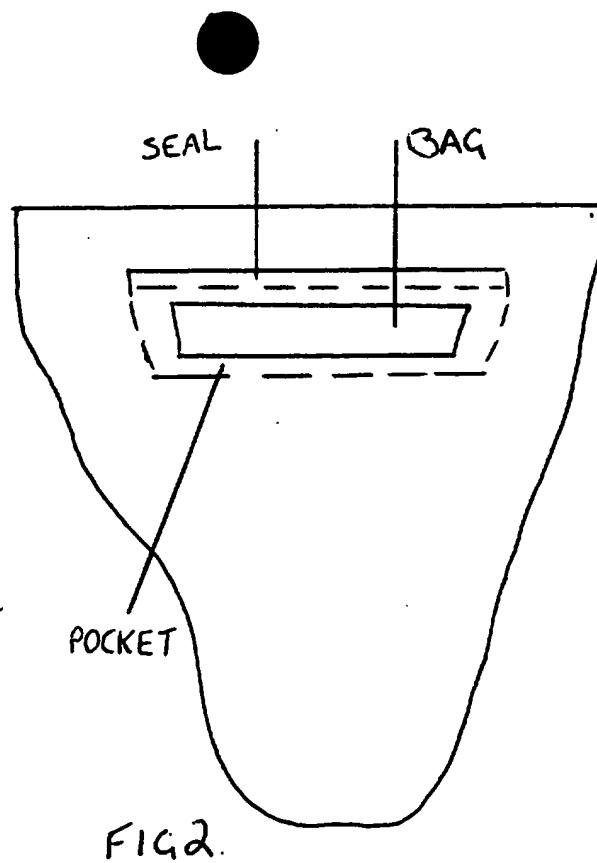
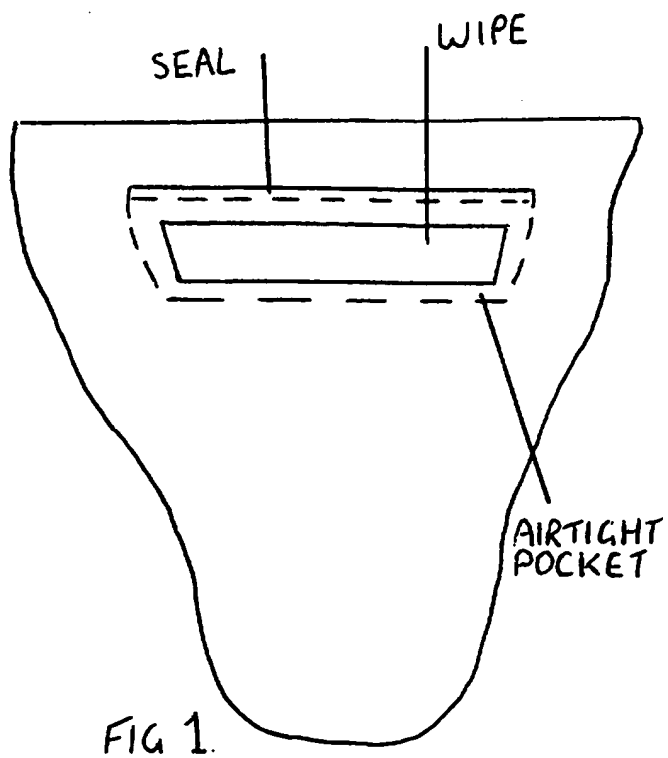
(54) Abstract Title

Nappy comprising a disposal bag and a moist wipe

(57) An all-in-one disposable nappy which contains a cleansing wipe and a bag for hygienic disposal.

The wipe and bag are folded and secured within the nappy, e.g. with a tear-off strip, tape or velcro. Once the wipe has been used the soiled wipe is placed in the all-in-one disposable nappy and the nappy is folded and placed in the attached bag for hygienic disposal. The pockets containing the wipe or bag are airtight and non-absorbent.





ALL-IN-ONE DISPOSABLE NAPPY

DISPOSABLE NAPPIES ARE VERY WELL KNOWN AND USUALLY COMPRISE OF AN ABSORBANT FABRIC CONTAINED WITHIN AN ELASTICATED SURROUND AND TWO FASTENING DEVICES WHICH ALLOW THE NAPPY TO BE SECURED AROUND A BABY'S WAIST. ONCE THE NAPPY HAS BEEN USED IT IS DISPOSED OF AND ANOTHER PUT IN PLACE ON THE INFANT.

DISPOSABLE NAPPIES, HOWEVER, ARE ONLY FUNCTIONAL IN PREVENTING LEAKAGE AND MESS. THEY SERVE NO OTHER PURPOSE.

THE FOLLOWING INVENTION PROVIDES AN ANSWER TO THE PROBLEM OF INFANT CLEANSING AND NAPPY DISPOSAL BY USING A NAPPY WHICH INCLUDES A PERFORATED CLEANSING WIPE (STRONG, MOIST TISSUE) AND A BAG WHICH ALLOWS THE SOILED NAPPY TO BE SAFELY AND HYGIENICALLY DISPOSED OF. A SPECIFIC EMBODIMENT OF THE INVENTION WILL NOW BE DESCRIBED BY WAY OF EXAMPLE WITH REFERENCE TO THE ACCOMPANYING DRAWINGS.

FIG 1: SHOWS THE NAPPY AND THE SEALED EXTERNAL FRONT POCKET WHICH CONTAINS THE WIPE.

FIG 2: SHOWS THE REAR OF THE NAPPY AND THE SEALED EXTERNAL REAR POCKET WHICH CONTAINS THE BAG.

FIG 3: ILLUSTRATES THE OPENED FRONT POCKET AND THE EXPOSED WIPE WITH PERFORATION.

FIG 4: ILLUSTRATES THE OPENED REAR POCKET AND EXPOSED BAG WITH PERFORATION.

REFERRING TO THE DRAWING (FIG 1) THE NAPPY COMPRISES OF THE NORMAL COMPONENTS, NAMELY ABSORBANT PAD, ELASTICATED SURROUND AND FASTENING DEVICES.

THE CLEANSING WIPE IS FOLDED TIGHT AND STORED IN AN AIRTIGHT POCKET, LINED WITH AN NON-ABSORBANT MATERIAL (WHICH WILL KEEP THE WIPE MOIST), POSITIONED AT THE FRONT OF THE NAPPY AS SHOWN.

THE WIPE IS SECURED AND THE POCKET IS SEALED WITH A DEVICE, PREFERABLY VELCRO, HOWEVER A TEAR OFF STRIP OR TAPE COULD BE USED. (RTM)

THE BAG, WITH HANDLES FOR TYING, IS SIMILARLY SECURED EXTERNALLY IN A POCKET AT THE REAR OF THE NAPPY AS SHOWN IN FIGURE 2.

ONCE UNFOLDED AND EXPOSED THE WIPE CAN BE REMOVED BY TEARING A PERFORATION AT THE BASE OF THE WIPE. (FIG 3)

AFTER THE WIPE HAS BEEN USED IT SHOULD BE PLACED AT THE CENTRE OF THE NAPPY AND THE FOLDED BAG, WITH HANDLES FOR TYING, REMOVED FROM ITS POCKET AT THE REAR OF THE NAPPY.

(FIG 4)

THE BAG WILL BE STORED IN THE SAME FASHION AS THE WIPE AND THE SAME PROCEDURE SHOULD BE FOLLOWED FOR ITS REMOVAL. THE SOILED NAPPY SHOULD THEN BE FOLDED AND PLACED IN THE BAG AND THE HANDLES TIED READY FOR HYGENIC DISPOSAL.

CLAIMS

- 1. AN ALL-IN-ONE DISPOSABLE NAPPY WITH ATTACHED CLEANSING WIPE AND ATTACHED BAG WITH TIE HANDLES.**
- 2. AN ALL-IN-ONE DISPOSABLE NAPPY, DESCRIBED IN CLAIM 1, IN WHICH WIPE AND BAG ARE STORED ON THE NAPPY AND FORM AN INTEGRAL PART OF THE ALL-IN-ONE NAPPY.**
- 3. AN ALL-IN-ONE DISPOSABLE NAPPY, AS DESCRIBED IN CLAIM 1 AND 2, WHICH CAN BE USED TO COMPLETE THE PROCESS COMMONLY KNOWN AS "CHANGING A BABY" WITHOUT HAVING TO USE ANY SEPARATE RELATIVE ITEMS NOT CONTAINED WITHIN THE ALL-IN-ONE-NAPPY.**



Application No: GB 9922070.9
Claims searched: 1-3

Examiner: Anwar Gilani
Date of search: 14 January 2000

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:
UK Cl (Ed.R): A5R (RPG)
Int Cl (Ed.7): A61F 13/84
Other: Online: WPI, EPODOC

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	GB2326343 A (GUBBAY) p.1 l.30-p.2 l.2, p.3 l.6-24, p.4 l.34-p.5 l.17, p.6 l.13-37	1-3
X	GB2271720 A (PREISS) p.3 l.31-p.4 l.30, p.5 l.12-17	1-3
X	US5582605 (LEPIE) col.1 l.51-61, col.2 l.27-55	1-3
X	US4931052 (FELDMAN) col.1 l.41-54, col.2 l.25-col.3 l.7	1-3
X	US4743240 (POWELL) col.4 l.20-68	1-3

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.